## **AMENDMENTS TO THE CLAIMS**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

## **Listing of Claims:**

1. (Currently Amended): A <u>dielectric fluid for an electrical device</u>, <u>said</u> <u>dielectric fluid comprising</u>:

at least 75% of a high oleic acid triglyceride composition comprising fatty acid components of at least 75% oleic acid;

0.1 to 3% antioxidant additives comprising:

an alkylated diphenylamine; and

one or more antioxidant compounds selected from the group consisting of butylated hydroxy toluene (BHT), butylated hydroxy anisole (BHA), monotertiary butyl hydroquinone (TBHQ) and combinations thereof; less than 10% diunsaturated fatty acid-component C16-C22; less than 3% triunsaturated fatty acid-C16-C22-component; and less than 8% saturated fatty-acid-component C16-C22; and wherein said triglyceride composition is further characterized by the properties

of:

- a dielectric strength of at least 35 KV/l00 mil gap, a dissipation factor of less than 0.05% at 25°C, NG acidity of less than 0.03 mg KOH/g, electrical conductivity of less than 1 pS/m at 25°C, NG a flash point of at least 250°C, NC and a pour point of at least -15°C, NG.
- 2. (Currently Amended): The high oleic acid triglyceride composition dielectric fluid of claim 1 comprising wherein the fatty acid components of the high oleic acid triglyceride composition comprise

at least 75% eleic acid
less than 10% linoleic acid,
less than 3% linolenic acid,

less than 4% stearic acid, and less than 4% palmitic acid.

- 3. (Currently Amended): The high oleic-acid-triglyceride composition dielectric fluid of claim 2 wherein said triglyceride composition is further characterized by the properties of:
  - a dielectric strength of at least 40 KV/100 mil gap,
  - a dissipation factor of less than 0.02% at 25°C NC,
  - acidity of less than 0.02 mg KOH/g,
  - electrical conductivity of less than .25 pS/m at 25°C NC,
  - a flash point of at least 300°C NC, and
  - a pour point of at least -20°C NC.

Claims 4-39 (Canceled).

- 40. (Currently Amended): An electrical apparatus comprising the electrical insulation dielectric fluid of claim 22 1.
- 41. (Original): The electrical apparatus of claim 40 wherein said apparatus is an electrical transformer, an electrical capacitor or an electrical power cable.
- 42. (Currently Amended): An electrical apparatus comprising the electrical insulation dielectric fluid of claim 28 46.
- 43. (Currently Amended); A process for preparing the high oleic acid triglyceride composition dielectric fluid of claim 1 comprising the steps of:

mixing 10 parts refined, bleached and deodorized high oleic acid triglyceride with 1 part or less by weight neutral clay to form a mixture,

maintaining said mixture for at least about 20 minutes, and filtering said mixture to remove said clay, and. adding the antioxidant additives to the filtered mixture.

44. (Original): The process of claim 43 wherein said clay is 30/60 mesh size

clay.

- 45. (New): The dielectric fluid of claim 1, wherein the one or more antioxidant compounds consists of tertiary butyl hydroquinone (TBHQ).
- 46. (New): The dielectric fluid of claim 45, wherein the antioxidant additives further comprise a high molecular weight poly phenol antioxidant.
  - 47. (New): The dielectric fluid of claim 1, further comprising a synthetic ester.
  - 48. (New): A process for preparing the dielectric fluid of claim 1, comprising: heating the triglyceride composition; contacting the heated triglyceride composition with clay; filtering the triglyceride composition to remove clay particles therefrom; and adding the antioxidant additives to the filtered triglyceride composition.
- 49. (New): The process of claim 48, further comprising:

  lowering the temperature of the filtered triglyceride composition to 0°C or below:

and filtering the triglyceride composition, thereby providing the triglyceride composition with a pour point below -25°C.

- 50. (New): A dielectric fluid for an electrical device, said dielectric fluid comprising:
- 0.1 to 3% antioxidant additives comprising one or more antioxidant compounds selected from the group consisting of butylated hydroxy toluene (BHT), butylated hydroxy anisole (BHA), mono-tertiary butyl hydroquinone (TBHQ) and combinations thereof; and

at least 75% high oleic acid vegetable oil selected from the group consisting of sunflower oil and canola oil, wherein said vegetable oil is purified by:

heating the vegetable oil;

contacting the heated vegetable oil with clay; and filtering the vegetable oil to remove clay particles therefrom,

whereby said vegetable oil has the properties of:

- a dielectric strength of at least 35 KV/l00 mil gap,
- a dissipation factor of less than 0.05% at 25°C,
- acidity of less than 0.03 mg KOH/g,
- electrical conductivity of less than I pS/m at 25°C,
- a flash point of at least 250°C, and
- a pour point of at least -15°C.
- 51. (New): The dielectric fluid of claim 50, wherein the vegetable oil comprises sunflower oil.
- 52. (New): The dielectric fluid of claim 50, wherein the vegetable oil has fatty acid components of greater than 60% oleic acid.
- 53. (New): The dielectric fluid of claim 52, wherein the vegetable oil has fatty acid components of at least 75% oleic acid.
- 54. (New): The dielectric fluid of claim 53, wherein the antioxidant additives further comprise an alkylated diphenylamine.
- 55. (New): The dielectric fluid of claim 50, wherein after the vegetable is purified, the vegetable is further processed by:

lowering the temperature of the filtered vegetable oil to 0°C or below; and filtering the vegetable oil, thereby providing the vegetable oil with a pour point below -25°C.